

ADDITIONAL MATERIALS TOWARD A MONOGRAPH OF THE GENUS
CALLICARPA. VIII

Harold N. Moldenke

CALLICARPA L.

Additional & emended synonymy: Tomex L., Nov. Pl. Gen. Diss. Dassow 5. 1747 [not Tomex Forsk., 1775, nor Thunb., 1783]. Johnsonia T. Dale ex P. Mill., Gard. Dict., ed. 6, app. 75 (1752) and ed. 7. 1759 [not Johnsonia Adans., 1763, nor R. Br., 1810, nor Neck., 1790]. Burcardia Heist. ex Duham., Trait. Arb. & Arbust. 1: 111--112, pl. 44. 1755 [not Burcardia Raf., 1838, nor Schreb., 1789]. Burchardia Duham. apud L., Sp. Pl., ed. 2, 1: 161, in syn. 1762 [not Burchardia Auct., 1966, nor R. Br., 1810, nor Neck., 1790]. Frutex Catesb. apud Adans., Fam. Pl. 2 (2): 226, in syn. 1763. Spondylococcus Mitch. apud Reichenb. in Mössler, Handb. Gewächsk., ed. 1, 1: xxxvi. 1827 [not Spondylococcus Reichenb., 1828]. Burchardia [Heist.] Duham. apud Jacks. in Hook. f. & Jacks., Ind. Kew., pr. 1, 1: 361, in syn. 1893. Burchardia B. D. Jacks. apud Airy Shaw in Willis, Dict. Flow. Pl., ed. 7, 166, in syn. 1966. Johnsonia "T. Dale ex Mill." apud Airy Shaw in Willis, Dict. Flow. Pl., ed. 7, 590, in syn. 1966. Sphondylococcum Schau. ex Airy Shaw in Willis, Dict. Flow. Pl., ed. 7, 1059, in syn. 1966. Calycarpon A. Br., in herb.

Additional & emended bibliography: Mitch., Diss. Bot. & Zool. 40. 1769; Robin, Fl. Louis. 384. 1807; Raf., Fl. Ludovic., pr. 1, 38--39 & [125]. 1817; H.B.K., Nov. Gen. & Sp. Pl., ed. folio, 2: 204--205 (1817) and ed. quart., 2: 252--253. 1818; Schnitzl., Icon. Fam. Nat. Reg. Veg. 137. 1856; Watt, Econ. Prod. India 5: 68 (1883), 6: 40 (1883), and 7: 54. 1883; Maxim., Bull. Acad. Imp. Sci. St. Pétersb. 31: 75--80. 1886; Meehan, Meehan's Monthly 11: 129--130, pl. 9. 1901; Barnhart, Bull. Torrey Bot. Club 29: 590. 1902; Prain, Beng. Pl., ed. 1, 2: 823 & 827. 1903; Beissner, Schelle, & Zabel, Handb. Laubh. 425. 1903; Millsp. in Fedde, Repeet. Spec. Nov. 7: 285. 1909; Duthie, Fl. Upper Gang. Plain 2: 215 & 218--219. 1911; Craib, Contrib. Fl. Siam Dicot. 163. 1912; A. Chev., Cat. Pl. Jard. Bot. Saigon 35. 1919; Haines, Bot. Bihar & Orissa 4: 704 & 709--710. 1922; W. J. Bean, Garden 88: 184. 1924; Gamble, Fl. Presid. Madras 6: 1085 & 1091--1092. 1924; Nakai, Bot. Mag. Tokyo 40: 491--492. 1926; T. Itô, Taiwan Shokubutsu Dzusetsu [Illustr. Formos. Pl.] 7, pl. 601--606. 1927; Nakai in Nakai & Koidz., Trees & Shrubs Indig. Jap., ed. 2, 1: 450--464, fig. 213--219. 1927; P. Dop, Trav. Lab. For. Toulouse 1 [Art. Divers. 1] (21): 5--21. 1932; Bonstedt, Pareys Blumengärtn., ed. 1, 272. 1932; Schelle, Pareys Blumengärtn., ed. 1, 278. 1932; P'ei, Sinensia 2: [65]--68. 1932; Masam. & Suzuki, Ann. Rep. Taih. Bot. Gard. 3: 66. 1933; Chun, Sunyat. 1: 302--303. 1934; Hosokawa,

- Journ. Soc. Trop. Agr. Taiwan 6: 205—206. 1934; K. Mori in Masum., Short Fl. Formos. 179. 1936; Terazaki, Suppl. Illustr. Fl. Jap., fig. 2484—2488. 1938; Rendle, Notes Fl. Bermuda 18. 1937; E. S. & F. E. Clements, Natl. Geogr. Mag. 76: 240. 1939; Biswas, Indian Forest Rec. Bot. 3: 41. 1941; Plouvier, Compt. Rend. Acad. Sci. Paris 231: 1546—1548. 1950; Li & Keng, Taiwania 1 (2-4): 127. 1950; V. S. Rao, Journ. Indian Bot. Soc. 31: [297], 304—[305], 312, & 313, fig. 33—35. 1952; Hylander, Macm. Wild Flow. Book 337 & 340. 1954; Lee & Keng, Taiwania 1 (5): 5 & 7. 1954; Anon., U. S. Dept. Agr. Bot. Subj. Index 15: 14354. 1958; Hara, Distrib. Maps Flow. Pl. Japan 51. 1958; Potztal in Encke, Pareys Blumen-gärtn., ed. 2, 2: 439. 1960; Krüssmann in Encke, Pareys Blumen-gärtn., ed. 2, 2: 445—446. 1960; Kitamura & Okamoto, Col. Illust. Trees & Shrubs Japan 219—220, pl. 65. 1960; Martin & Bradley, Seed Ident. Man. 115 & 195, fig. 261 & 792. 1961; W. H. Lewis, Southwest. Nat. 6: 45—48, fig. 1. 1961; Cave, Ind. Pl. Chromosome Numb. 2: 136 & 155. 1961; Panigrahi & Naik, Bull. Bot. Surv. India 3: 376—377. 1961; Deb, Bull. Bot. Surv. India 3: 314. 1961; M. A. Rau, Bull. Bot. Surv. India 3: 238. 1961; Thothathri, Bull. Bot. Surv. India 4: 295. 1962; H. F. MacMillan, Trop. Plant. & Gard., ed. 5, 104. 1962; Maheshwari, Fl. Delhi 280—281. 1963; Prain, Beng. Pl., ed. 2, 2: 617—618. 1963; Legris, Trav. Sect. Scient. Inst. Franç. Pond. 6: 184, 213, 394, 501, 513, 542, & 558. 1963; Bhatnagar, Journ. Indian Bot. Soc. 42: 369 & 374. 1963; Batson, Wild Fls. S. C. 100. 1964; Cave, Ind. Pl. Chromosome Numb. 2: 330. 1964; Chuang, Chao, Hu, & Kwan, Taiwania 1 (8): 54, 58, 59, 63, & 66, pl. 3, fig. 39, & pl. 6, fig. 88. 1963; Arora, Journ. Indian Bot. Soc. 43: 81 & 82. 1964; Dakshini, Journ. Indian Bot. Soc. 44: 418 & 410. 1965; P. K. K. Nair, Pollen Gr. West. Himal. Pl. 35 & 89, pl. 12, fig. 154. 1965; R. E. & C. R. Harrison, Know Your Trees 39. 1965; Chopra, Badhwar, & Ghosh, Poison. Pl. India 2: 695—696, fig. 175. 1965; Maheshwari & Singh, Dict. Econ. Pl. India 30. 1965; Bose, Handb. Shrubs 17, 34, & 104. 1965; S. A. Manning, Syst. Guide Flow. Pl. 18 & 142. 1965; F. A. Barkley, List Ord. Fam. Anthoph. 76, 147, 148, 176, & 200. 1965; Ohwi, Fl. Jap. 763—764. 1965; Datta, Handb. Syst. Bot. 181, 183, 338, 363, & 413. 1965; N. Taylor, Guide Gard. Shrubs & Trees 339—341, opp. 342, & 432. 1965; Banerji, Rec. Bot. Surv. India 19: 74. 1965; Hellyer, Shrubs in Colour, pr. 1, 20 & 22 (1965) and pr. 2, 20 & 22. 1966; Panigrahi, Bull. Bot. Surv. India 8: 4. 1966; Gausson & al., Trav. Sect. Scient. & Tech. Inst. Franç. Pond. Hors ser. 7: 49, 51, 62, 67, 71, & 96 (1966) and 8: 62. 1966; Arora, Journ. Indian Bot. Soc. 45: 134. 1966; J. Rzedowski, Act. Cientif. Potos. 6 (1): 17. 1966; Gómez Pompa, Estud. Bot. Reg. Misantla 93. 1966; T. C. Whitmore, Guide Forests Brit. Solomon Isls. 127, 135, 144, & 170. 1966; Airy Shaw in Willis, Dict. Flow. Pl., ed. 7, 29, 51, 166, 177, 576, 590, 913, 1059, 1062, & 1129. 1966; G. L. Davis, Syst. Embryol. Angiosp. 271. 1966; Van Steenis-Kruseman, Fl. Males. Bull. 4: 1069 & L. 1967; Moldenke, Phytologia 15: 13—41. 1967; Moldenke, Résumé Suppl. 15: 1, 2, 8—14, 16, 17, & 20. 1967; J. F. Williamson, Sunset West. Gard. Book, new ed., 207. 1967; Van Steenis, Blumea 15: 147—149 & 151, fig. 2. 1967; H. Marsh., Arbust. Amer., ed. Ewan, 22—23. 1967;

Anon., Biol. Abstr. 48 (18): S.27. 1967; Raf., Fl. Ludovic., pr. 2, 38--39 & [125]. 1967; L. V. Barton, Bibl. Seeds 774. 1967; Kawazu, Inaba, & Mitsui, Agr. Biol. Chem. 31: 494--506. 1967; Kawazu, Inaba, & Mitsui, Biol. Abstr. 48: 8109. 1967; E. Hyams, Ornament. Shrubs Temp. Zone 5: 26 & 27 (1967) and 6: 98. 1967; P. Gray, Dict. Biol. Sci. 48. 1967.

Whitmore (1966) cites his nos. 2223, 4042, 4483, & 5734 as unidentified members of this genus from the Solomon Islands, with the vernacular names "ata'ata'i'a", "aida'afi", "fai'i'isio", and "fai i'su". The species represented by 2223 and 4483 is an occasional bushy treelet in secondary regrowth forests, usually on lowlands; the other numbers represent a common small bushy tree also in secondary lowland forests. Beissner, Schelle, & Zabel (1903) use the name "Schönfrucht" for members of this genus. Rzedowski (1966) records the names "elte" and "fruta de chachalaca" for this genus [probably for *C. acuminata* H.B.K. and *C. pringlei* Briq.].

Chopra, Badhwar, & Ghosh (1965) say that the bark & roots of some species of this genus are used in India as a tonic and carminative and in cutaneous affections.

It should be noted here that the *Burcardia* of Rafinesque is a synonym of *Campomanesia* Ruiz & Pav. in the *Myrtaceae*, while that of Schreber is *Piriqueta* Aubl. in the *Turneraceae*; the *Burchardia* of Brown is a valid genus in the *Liliaceae*, that of Necker is *Psidium* L. in the *Myrtaceae*, while that accredited to "Auct." is *Piriqueta* Aubl. in the *Turneraceae*; the *Johnsonia* of Brown is a valid genus in the *Liliaceae*, that of Necker is *Lycium* L. in the *Solanaceae*, while that of Adanson is *Cedrela* P. Br. in the *Meliaceae*; the *Sphondylococca* and *Sphondylococca* of Willdenow and accredited to "Willd. ex Schult." are *Bergia* L. in the *Elatinaceae*, as is also the *Spondylococcus* of Reichenbach; and the *Tomex* of Forskål is *Dobera* Juss. in the *Salvadoraceae*, while that of Thunberg is *Litsea* Lam. in the *Lauraceae*.

It should also be noted here that Taylor (1966) credits *Spondylococcus* Mitch. to "Mitch., Diss. Bot. & Zool. 40. 1769", while actually it was first proposed in 1748 as stated by me previously.

CALLICARPA ACUMINATA H.B.K., Nov. Gen. & Sp. Pl., ed. folio, 2: 204. 1817.

Emended synonymy: *Callicarpa subintegerrima* H.B.K., Nov. Gen. & Sp. Pl., ed. folio, 2: 204--205. 1817.

Additional bibliography: H.B.K., Nov. Gen. & Sp. Pl., ed. folio, 2: 204--205 (1817) and ed. quart., 2: 252--253. 1818; Barnhart, Bull. Torrey Bot. Club 29: 590. 1902; Gómez Pompa, Estud. Bot. Reg. Misantla 93. 1966; Moldenke, Résumé Suppl. 15: 16. 1967; Moldenke, Phytologia 15: 14 & 27. 1967.

It should be noted here that the H.B.K. reference dates given above have been authenticated with Barnhart (1902). Gómez Pompa states that the species is rare in the Misantla region of Mexico.